

Title (en)
Gripper for rinsing or blowing machines

Title (de)
Greifer für Spül- oder Blasmaaschinen

Title (fr)
Préhenseur pour des machines à rincer ou à souffler

Publication
EP 1970134 A2 20080917 (EN)

Application
EP 08004747 A 20080314

Priority
IT CR20070003 A 20070314

Abstract (en)
The invention relates to a gripper for rinsing or blowing machines for containers, namely for bottles, comprising at least a fixing support (101, 201, 301) to be fixed on a rinsing or blowing machine; a gripping body (102, 202, 302) connected to said support (101, 201, 301); movable gripping and release devices (104, 204, 304) for said containers; a unit (110, 210, 310) movable with respect to the gripping body (102, 202, 302) and arranged as to activate said movable gripping devices (104, 204, 304); opposition device associated to said movable unit (110, 210, 310) to exert a return action of the movable unit (110, 210, 310) and of the gripping means (104, 204, 304) to set them again in a predetermined idle position, characterized in that said opposition device comprises at least a magnet (123, 223, 323) adapted to interact magnetically with a suitable opposition element (124, 224, 324) to exert said return action.

IPC 8 full level
B08B 9/42 (2006.01); **B29C 49/42** (2006.01); **B65G 47/84** (2006.01)

CPC (source: EP)
B08B 9/426 (2013.01); **B29C 49/4205** (2013.01); **B29C 49/42069** (2022.05); **B29C 49/42087** (2022.05)

Citation (applicant)
• DE 102005041929 A1 20070308 - KRONES AG [DE]
• FR 2765816 A1 19990115 - ROCCHI FLAVIO [IT]

Cited by
WO2010066217A1; EP4082682A1; CN102272027A; EP2532611A1; US8590693B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
EP 1970134 A2 20080917; **EP 1970134 A3 20110323**; **EP 1970134 B1 20140723**; IT CR20070003 A1 20080915

DOCDB simple family (application)
EP 08004747 A 20080314; IT CR20070003 A 20070314